

```
SSSSSSSSSSSSS  MMM      MMM      GGGGGGGGGGGG  RRRRRRRRRRRR  TTTTTTTTTTTTTT  LLL
SSSSSSSSSSSSS  MMM      MMM      GGGGGGGGGGGG  RRRRRRRRRRRR  TTTTTTTTTTTTTT  LLL
SSSSSSSSSSSSS  MMM      MMM      GGGGGGGGGGGG  RRRRRRRRRRRR  TTTTTTTTTTTTTT  LLL
SSS            MMMMMM  MMMMMM  GGG            RRR      RRR      TTT      LLL
SSS            MMMMMM  MMMMMM  GGG            RRR      RRR      TTT      LLL
SSS            MMMMMM  MMMMMM  GGG            RRR      RRR      TTT      LLL
SSS            MMM      MMM      GGG            RRR      RRR      TTT      LLL
SSS            MMM      MMM      GGG            RRR      RRR      TTT      LLL
SSS            MMM      MMM      GGG            RRR      RRR      TTT      LLL
SSS            MMM      MMM      GGG            RRR      RRR      TTT      LLL
SSSSSSSSSSS    MMM      MMM      GGG            RRRRRRRRRRRR  TTT      LLL
SSSSSSSSSSS    MMM      MMM      GGG            RRRRRRRRRRRR  TTT      LLL
SSSSSSSSSSS    MMM      MMM      GGG            RRRRRRRRRRRR  TTT      LLL
SSS            SSS      MMM      GGG      GGGGGGGGGG  RRR      RRR      TTT      LLL
SSS            SSS      MMM      GGG      GGGGGGGGGG  RRR      RRR      TTT      LLL
SSS            SSS      MMM      GGG      GGGGGGGGGG  RRR      RRR      TTT      LLL
SSS            SSS      MMM      GGG      GGG      GGG  RRR      RRR      TTT      LLL
SSS            SSS      MMM      GGG      GGG      GGG  RRR      RRR      TTT      LLL
SSS            SSS      MMM      GGG      GGG      GGG  RRR      RRR      TTT      LLL
SSS            SSS      MMM      GGG      GGG      GGG  RRR      RRR      TTT      LLL
SSSSSSSSSSSSS  MMM      MMM      GGGGGGGGGG      RRR      RRR      TTT      LLLLLLLLLLLLLLLL
SSSSSSSSSSSSS  MMM      MMM      GGGGGGGGGG      RRR      RRR      TTT      LLLLLLLLLLLLLLLL
SSSSSSSSSSSSS  MMM      MMM      GGGGGGGGGG      RRR      RRR      TTT      LLLLLLLLLLLLLLLL
```

|    |     |         |   |   |   |   |
|----|-----|---------|---|---|---|---|
| 16 | A t | L I N S | 1 | 1 | 1 | 1 |
|----|-----|---------|---|---|---|---|

```

MM      MM      AAAAAA      PPPPPPPP
MM      MM      AAAAAA      PPPPPPPP
MMMM    MMMM    AA          AA      PP          PP
MMMM    MMMM    AA          AA      PP          PP
MM      MM      MM      AA          AA      PP          PP
MM      MM      MM      AA          AA      PP          PP
MM      MM      MM      AA          AA      PPPPPPPP
MM      MM      MM      AA          AA      PPPPPPPP
MM      MM      AAAAAAAAAA      PP
MM      MM      AAAAAAAAAA      PP
MM      MM      AA          AA      PP
MM      MM      AA          AA      PP
MM      MM      AA          AA      PP
MM      MM      AA          AA      PP

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+-----+  
! Object Module Synopsis !  
+-----+

| Module Name           | Ident   | Bytes | File                                   | Creation Date     | Creator                  |
|-----------------------|---------|-------|----------------------------------------|-------------------|--------------------------|
| SMG\$BUILD_TERM_TABLE | 1-002   | 1155  | _\$255\$DUA28:[SMGRTL.OBJ]SMGRTL.OLB;1 | 16-Sep-1984 00:12 | VAX-11 Bliss-32 V4.0-742 |
| SMG\$BOOLEAN_TABLES   | 1-002   | 1232  | _\$255\$DUA28:[SMGRTL.OBJ]SMGRTL.OLB;1 | 16-Sep-1984 00:14 | VAX-11 Bliss-32 V4.0-742 |
| SMG\$MSGDEF           | 1-026   | 42    | _\$255\$DUA28:[SMGRTL.OBJ]SMGRTL.OLB;1 | 16-SEP-1984 00:10 | VAX-11 Message V04-00    |
| SMG\$NUMERIC_TABLES   | 1-003   | 852   | _\$255\$DUA28:[SMGRTL.OBJ]SMGRTL.OLB;1 | 16-Sep-1984 01:08 | VAX-11 Bliss-32 V4.0-742 |
| SMG\$STRING_TABLES    | 1-003   | 5704  | _\$255\$DUA28:[SMGRTL.OBJ]SMGRTL.OLB;1 | 16-Sep-1984 01:22 | VAX-11 Bliss-32 V4.0-742 |
| SMG\$STATEMENT_TABLES | 1-004   | 2034  | _\$255\$DUA28:[SMGRTL.OBJ]SMGRTL.OLB;1 | 16-Sep-1984 01:19 | VAX-11 Bliss-32 V4.0-742 |
| TERMDEFS              | V04-000 | 4120  | _\$255\$DUA28:[SYSOBJ]CLIUTL.OLB;1     | 16-Sep-1984 01:16 | VAX-11 Bliss-32 V4.0-742 |
| SYSP1_VECTOR          | V04-000 | 0     | _\$255\$DUA28:[SYSLIB]STARLET.OLB;2    | 16-SEP-1984 00:40 | VAX/VMS Macro V04-00     |
| LIBRTL                | V04-000 | 0     | _\$255\$DUA28:[SYSLIB]LIBRTL.EXE;1     | 16-SEP-1984 04:00 | VAX-11 Linker V04-00     |

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! Image Section Synopsis !  
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| Cluster         | Type | Pages | Base Addr  | Disk VBN | PFC | Protection and Paging    | Global Sec. Name | Match      | Majorid | Minorid |
|-----------------|------|-------|------------|----------|-----|--------------------------|------------------|------------|---------|---------|
| DEFAULT_CLUSTER | 0    | 5     | 00000200   | 2        | 0   | READ ONLY                |                  |            |         |         |
|                 | 0    | 4     | 00000C00   | 7        | 0   | READ WRITE COPY ON REF   |                  |            |         |         |
|                 | 0    | 22    | 00001400   | 11       | 0   | READ ONLY                |                  |            |         |         |
|                 | 0    | 1     | P-00004000 | 33       | 0   | READ WRITE COPY ON REF   |                  |            |         |         |
|                 | 0    | 1     | 00004200   | 34       | 0   | READ WRITE FIXUP VECTORS |                  |            |         |         |
|                 | 253  | 20    | 7FFFD800   | 0        | 0   | READ WRITE DEMAND ZERO   |                  |            |         |         |
| LIBRTL          | 3    | 111   | 00000000-R | 0        | 0   | READ ONLY                | LIBRTL_001       | LESS/EQUAL | 1       | 11      |
|                 | 4    | 1     | 0000DE00-R | 0        | 0   | READ WRITE DEMAND ZERO   | LIBRTL_002       | LESS/EQUAL | 1       | 11      |

Key for special characters above:

-----  
! R - Relocatable !  
! P - Protected !  
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+-----+  
! Program Section Synopsis !  
+-----+

| Psect Name   | Module Name           | Base     | End      | Length     | Align         | Attributes                                        |
|--------------|-----------------------|----------|----------|------------|---------------|---------------------------------------------------|
| \$PLITS      | TERMDEFS              | 00000200 | 00000A87 | 00000888 ( | 2184.) LONG 2 | NOPIC,USR,CON,REL,LCL,NOSHR,NOEXE, RD,NOWRT,NOVEC |
|              |                       | 00000200 | 00000A87 | 00000888 ( | 2184.) LONG 2 |                                                   |
| \$GLOBALS    | TERMDEFS              | 00000C00 | 000012FF | 00000700 ( | 1792.) LONG 2 | NOPIC,USR,CON,REL,LCL,NOSHR,NOEXE, RD, WRT,NOVEC  |
|              |                       | 00000C00 | 000012FF | 00000700 ( | 1792.) LONG 2 |                                                   |
| \$OWNS       | TERMDEFS              | 00001300 | 0000138F | 00000090 ( | 144.) LONG 2  | NOPIC,USR,CON,REL,LCL,NOSHR,NOEXE, RD, WRT,NOVEC  |
|              |                       | 00001300 | 0000138F | 00000090 ( | 144.) LONG 2  |                                                   |
| _SMG\$DATA   | SMG\$BUILD_TERM_TABLE | 00001390 | 000013C3 | 00000034 ( | 52.) LONG 2   | PIC,USR,CON,REL,LCL,NOSHR,NOEXE, RD, WRT,NOVEC    |
|              | SMG\$STATEMENT_TABLES | 00001390 | 000013AB | 0000001C ( | 28.) LONG 2   |                                                   |
|              |                       | 000013AC | 000013C3 | 00000018 ( | 24.) LONG 2   |                                                   |
| _LIB\$KEY0\$ | SMG\$BOOLEAN_TABLES   | 00001400 | 000015DF | 000001E0 ( | 480.) WORD 1  | PIC,USR,CON,REL,LCL, SHR, EXE, RD,NOWRT,NOVEC     |
|              | SMG\$NUMERIC_TABLES   | 00001400 | 0000144F | 00000050 ( | 80.) WORD 1   |                                                   |
|              | SMG\$STRING_TABLES    | 00001450 | 0000147D | 0000002E ( | 46.) WORD 1   |                                                   |
|              | SMG\$STATEMENT_TABLES | 0000147E | 000015D3 | 00000156 ( | 342.) WORD 1  |                                                   |
|              |                       | 000015D4 | 000015DF | 0000000C ( | 12.) WORD 1   |                                                   |
| _LIB\$KEY1\$ | SMG\$BOOLEAN_TABLES   | 000015E0 | 000020DD | 00000AFE ( | 2814.) WORD 1 | PIC,USR,CON,REL,LCL, SHR, EXE, RD,NOWRT,NOVEC     |
|              | SMG\$NUMERIC_TABLES   | 000015E0 | 000017A6 | 000001C7 ( | 455.) WORD 1  |                                                   |
|              | SMG\$STRING_TABLES    | 000017A8 | 000018A4 | 000000FD ( | 253.) WORD 1  |                                                   |
|              | SMG\$STATEMENT_TABLES | 000018A6 | 000020B2 | 0000080D ( | 2061.) WORD 1 |                                                   |
|              |                       | 000020B4 | 000020DD | 0000002A ( | 42.) WORD 1   |                                                   |
| _LIB\$STATES | SMG\$BOOLEAN_TABLES   | 000020DE | 0000301D | 00000F40 ( | 3904.) WORD 1 | PIC,USR,CON,REL,LCL, SHR, EXE, RD,NOWRT,NOVEC     |
|              | SMG\$NUMERIC_TABLES   | 000020DE | 0000233B | 0000025E ( | 606.) WORD 1  |                                                   |
|              | SMG\$STRING_TABLES    | 0000233C | 000024DF | 000001A4 ( | 420.) WORD 1  |                                                   |
|              | SMG\$STATEMENT_TABLES | 000024E0 | 00002EEF | 00000A10 ( | 2576.) WORD 1 |                                                   |
|              |                       | 00002EF0 | 0000301D | 0000012E ( | 302.) WORD 1  |                                                   |
| _SMG\$CODE   | SMG\$BUILD_TERM_TABLE | 00003020 | 00003EB9 | 00000E9A ( | 3738.) LONG 2 | PIC,USR,CON,REL,LCL, SHR, EXE, RD,NOWRT,NOVEC     |
|              |                       | 00003020 | 00003486 | 00000467 ( | 1127.) LONG 2 |                                                   |

| <u>Psect Name</u> | <u>Module Name</u>    | <u>Base</u> | <u>End</u> | <u>Length</u> | <u>Align</u>  | <u>Attributes</u>                             |
|-------------------|-----------------------|-------------|------------|---------------|---------------|-----------------------------------------------|
| _SMG\$CODE        |                       | 00003020    | 00003EB9   | 00000E9A (    | 3738.) LONG 2 | PIC,USR,CON,REL,LCL, SHR, EXE, RD,NOWRT,NOVEC |
|                   | SMG\$BOCLEAN_TABLES   | 00003488    | 000034E2   | 0000005B (    | 91.) LONG 2   |                                               |
|                   | SMG\$NUMERIC_TABLES   | 000034E4    | 00003568   | 00000085 (    | 133.) LONG 2  |                                               |
|                   | SMG\$STRING_TABLES    | 0000356C    | 00003840   | 000002D5 (    | 725.) LONG 2  |                                               |
|                   | SMG\$STATEMENT_TABLES | 00003844    | 00003EB9   | 00000676 (    | 1654.) LONG 2 |                                               |
| MSGPTR\$AAAAAAA   | SMG\$MSGDEF           | 00004000    | 0000400F   | 00000010 (    | 16.) LONG 2   | PIC,USR,OVR,REL,LCL,NOSHR,NOEXE, RD, WRT, VEC |
|                   |                       | 00004000    | 0000400F   | 00000010 (    | 16.) LONG 2   |                                               |
| MSGPTR\$AAAAAAB   | SMG\$MSGDEF           | 00004010    | 00004013   | 00000004 (    | 4.) LONG 2    | PIC,USR,CON,REL,LCL,NOSHR,NOEXE, RD, WRT, VEC |
|                   |                       | 00004010    | 00004013   | 00000004 (    | 4.) LONG 2    |                                               |
| MSGPTR\$AAAAAAC   | SMG\$MSGDEF           | 00004014    | 00004017   | 00000004 (    | 4.) LONG 2    | PIC,USR,OVR,REL,LCL,NOSHR,NOEXE, RD, WRT, VEC |
|                   |                       | 00004014    | 00004017   | 00000004 (    | 4.) LONG 2    |                                               |
| MSGPTR\$SECTION   | SMG\$MSGDEF           | 00004018    | 00004029   | 00000012 (    | 18.) BYTE 0   | PIC,USR,CON,REL,LCL,NOSHR,NOEXE, RD, WRT, VEC |
|                   |                       | 00004018    | 00004029   | 00000012 (    | 18.) BYTE 0   |                                               |



+-----+  
! Symbol Cross Reference !  
+-----+

| Symbol                    | Value       | Defined By            | Referenced By ...                            |
|---------------------------|-------------|-----------------------|----------------------------------------------|
| LIB\$FREE_VM              | 0000425C-RX | LIBRTL                | SMG\$BUILD_TERM_TABLE                        |
| LIB\$GET_VM               | 00004260-RX | LIBRTL                | SMG\$BUILD_TERM_TABLE                        |
| LIB\$STOP                 | 00004254-RX | LIBRTL                | SMG\$BOOLEAN_TABLES<br>SMG\$STATEMENT_TABLES |
| LIB\$TPARSE               | 00004258-RX | LIBRTL                | SMG\$STRING_TABLES                           |
| OT\$SCVT_TIL              | 00004250-RX | LIBRTL                | SMG\$BUILD_TERM_TABLE<br>SMG\$NUMERIC_TABLES |
| PROTOCOL\$DDCMP           | 000012F8-R  | TERMDEFS              |                                              |
| PROTOCOL\$NONE            | 000012F0-R  | TERMDEFS              |                                              |
| SMG\$A_BOOLEAN_KEYWDS     | 00001400-R  | SMG\$BOOLEAN_TABLES   | SMG\$STATEMENT_TABLES                        |
| SMG\$A_BOOLEAN_STATES     | 000020DE-R  | SMG\$BOOLEAN_TABLES   | SMG\$STATEMENT_TABLES                        |
| SMG\$A_NUMERIC_KEYWDS     | 00001450-R  | SMG\$NUMERIC_TABLES   | SMG\$STATEMENT_TABLES                        |
| SMG\$A_NUMERIC_STATES     | 0000233C-R  | SMG\$NUMERIC_TABLES   | SMG\$STATEMENT_TABLES                        |
| SMG\$A_STMT_KEYWDS        | 000015D4-R  | SMG\$STATEMENT_TABLES | SMG\$BUILD_TERM_TABLE                        |
| SMG\$A_STMT_STATES        | 00002EF0-R  | SMG\$STATEMENT_TABLES | SMG\$BUILD_TERM_TABLE                        |
| SMG\$A_STRING_KEYWDS      | 0000147E-R  | SMG\$STRING_TABLES    | SMG\$STATEMENT_TABLES                        |
| SMG\$A_STRING_STATES      | 000024E0-R  | SMG\$STRING_TABLES    | SMG\$STATEMENT_TABLES                        |
| SMG\$BANKS_OFF            | 00003B8A-R  | SMG\$STATEMENT_TABLES | SMG\$BOOLEAN_TABLES<br>SMG\$STRING_TABLES    |
| SMG\$BANKS_ON             | 00003B94-R  | SMG\$STATEMENT_TABLES | SMG\$STRING_TABLES                           |
| SMG\$COPY_CAP             | 00003B9E-R  | SMG\$STATEMENT_TABLES | SMG\$STRING_TABLES                           |
| SMG\$CURRENT_BLOCK        | 000013B8-R  | SMG\$STATEMENT_TABLES |                                              |
| SMG\$CURRENT_DEF_BLOCK    | 000013BC-R  | SMG\$STATEMENT_TABLES | SMG\$BUILD_TERM_TABLE                        |
| SMG\$CURRENT_LINE         | 000013B4-R  | SMG\$STATEMENT_TABLES | SMG\$BOOLEAN_TABLES<br>SMG\$STRING_TABLES    |
| SMG\$DATA_OFFSET          | 000013C0-R  | SMG\$STATEMENT_TABLES | SMG\$BUILD_TERM_TABLE                        |
| SMG\$FLUSH_ARITHMETIC     | 00003BD3-R  | SMG\$STATEMENT_TABLES | SMG\$STRING_TABLES                           |
| SMG\$FLUSH_NUMERIC        | 00003C1A-R  | SMG\$STATEMENT_TABLES | SMG\$STRING_TABLES                           |
| SMG\$FLUSH_SAVED_BUFFER   | 00003C6A-R  | SMG\$STATEMENT_TABLES | SMG\$BOOLEAN_TABLES                          |
| SMG\$MASK_ADR             | 000013AC-R  | SMG\$STATEMENT_TABLES | SMG\$BOOLEAN_TABLES<br>SMG\$STRING_TABLES    |
| SMG\$MISSING_END          | 00003D60-R  | SMG\$STATEMENT_TABLES | SMG\$BOOLEAN_TABLES<br>SMG\$STRING_TABLES    |
| SMG\$NEXT_NEGATIVE_NUMBER | 000013B0-R  | SMG\$STATEMENT_TABLES | SMG\$STRING_TABLES                           |
| SMG\$NEXT_RECORD          | 00003D81-R  | SMG\$STATEMENT_TABLES | SMG\$BOOLEAN_TABLES                          |
| SMG\$SAVE_TOKEN_STRING    | 00003E26-R  | SMG\$STATEMENT_TABLES | SMG\$STRING_TABLES                           |
| SMG\$STORE_CAP_MASK       | 00003E46-R  | SMG\$STATEMENT_TABLES | SMG\$NUMERIC_TABLES                          |
| SMG\$SYNTAX_ERROR         | 00003E59-R  | SMG\$STATEMENT_TABLES | SMG\$BOOLEAN_TABLES<br>SMG\$STRING_TABLES    |
| SMG\$WRITE_DATA           | 00003E7B-R  | SMG\$STATEMENT_TABLES | SMG\$STRING_TABLES                           |
| SMG\$BUILD_TERM_TABLE     | 00003020-R  | SMG\$BUILD_TERM_TABLE |                                              |
| SMG\$BATSTIPRO            | 00128019    | SMG\$MSGDEF           |                                              |
| SMG\$BATWASOFF            | 00128021    | SMG\$MSGDEF           |                                              |
| SMG\$BATWAS_ON            | 00128029    | SMG\$MSGDEF           |                                              |
| SMG\$DELEXIGBL            | 00129020    | SMG\$MSGDEF           |                                              |
| SMG\$DIALINNOT            | 0012829C    | SMG\$MSGDEF           |                                              |
| SMG\$EOF                  | 00128402    | SMG\$MSGDEF           |                                              |



| Symbol           | Value    | Defined By  | Referenced By ...                                                       |
|------------------|----------|-------------|-------------------------------------------------------------------------|
| SMG\$_ERRAT_LIN  | 001282FC | SMG\$MSGDEF | SMG\$BOOLEAN_TABLES<br>SMG\$STATEMENT_TABLES<br>SMG\$BOOLEAN_TABLES     |
| SMG\$_ERRLIN     | 00128304 | SMG\$MSGDEF | SMG\$STATEMENT_TABLES                                                   |
| SMG\$_FACILITY   | 00000012 | SMG\$MSGDEF |                                                                         |
| SMG\$_FAIOPEFIL  | 0012832C | SMG\$MSGDEF |                                                                         |
| SMG\$_FATERRLIB  | 00128204 | SMG\$MSGDEF |                                                                         |
| SMG\$_FILTOOLON  | 00128264 | SMG\$MSGDEF |                                                                         |
| SMG\$_GBLNOTCRE  | 00129018 | SMG\$MSGDEF |                                                                         |
| SMG\$_GBLSECMAP  | 00128069 | SMG\$MSGDEF |                                                                         |
| SMG\$_ILLBATFNC  | 0012835C | SMG\$MSGDEF |                                                                         |
| SMG\$_ILLVAL     | 001282EC | SMG\$MSGDEF | SMG\$BOOLEAN_TABLES                                                     |
| SMG\$_INVARG     | 0012820C | SMG\$MSGDEF |                                                                         |
| SMG\$_INVCOL     | 00128214 | SMG\$MSGDEF |                                                                         |
| SMG\$_INVCOLARG  | 00128294 | SMG\$MSGDEF |                                                                         |
| SMG\$_INVCTRL    | 001282E4 | SMG\$MSGDEF |                                                                         |
| SMG\$_INVDEFATT  | 00128412 | SMG\$MSGDEF |                                                                         |
| SMG\$_INVDIR     | 00128364 | SMG\$MSGDEF | SMG\$STRING_TABLES                                                      |
| SMG\$_INVDIS_ID  | 0012821C | SMG\$MSGDEF |                                                                         |
| SMG\$_INVEXP     | 001282F4 | SMG\$MSGDEF | SMG\$STRING_TABLES                                                      |
| SMG\$_INVKBD_ID  | 0012824C | SMG\$MSGDEF |                                                                         |
| SMG\$_INVKEYNAM  | 0012841A | SMG\$MSGDEF |                                                                         |
| SMG\$_INVKTID_ID | 00128254 | SMG\$MSGDEF |                                                                         |
| SMG\$_INVMAXLEN  | 0012825C | SMG\$MSGDEF |                                                                         |
| SMG\$_INVPAGARG  | 0012828C | SMG\$MSGDEF |                                                                         |
| SMG\$_INVPAS_ID  | 00128224 | SMG\$MSGDEF |                                                                         |
| SMG\$_INVREQCOD  | 001282BC | SMG\$MSGDEF |                                                                         |
| SMG\$_INVROW     | 0012822C | SMG\$MSGDEF |                                                                         |
| SMG\$_INVSTANAM  | 00128422 | SMG\$MSGDEF |                                                                         |
| SMG\$_INVERTTAB  | 001282B4 | SMG\$MSGDEF |                                                                         |
| SMG\$_INVWIDARG  | 00128284 | SMG\$MSGDEF |                                                                         |
| SMG\$_KEYDEFPRO  | 0012840A | SMG\$MSGDEF |                                                                         |
| SMG\$_KEYNOTDEF  | 00129000 | SMG\$MSGDEF |                                                                         |
| SMG\$_MISENDSTA  | 0012834C | SMG\$MSGDEF | SMG\$STATEMENT_TABLES<br>SMG\$STATEMENT_TABLES<br>SMG\$STATEMENT_TABLES |
| SMG\$_MISFILSPE  | 0012831C | SMG\$MSGDEF | SMG\$STATEMENT_TABLES<br>SMG\$STATEMENT_TABLES                          |
| SMG\$_MISNAMREQ  | 00128354 | SMG\$MSGDEF | SMG\$STATEMENT_TABLES<br>SMG\$STATEMENT_TABLES                          |
| SMG\$_MISTERNAM  | 001282DC | SMG\$MSGDEF | SMG\$STATEMENT_TABLES<br>SMG\$STATEMENT_TABLES                          |
| SMG\$_NOMOREKEYS | 00129008 | SMG\$MSGDEF |                                                                         |
| SMG\$_NORMAL     | 00128001 | SMG\$MSGDEF |                                                                         |
| SMG\$_NOTBOOCAP  | 001282C4 | SMG\$MSGDEF | SMG\$BOOLEAN_TABLES                                                     |
| SMG\$_NOTNUMCAP  | 0012833C | SMG\$MSGDEF | SMG\$NUMERIC_TABLES                                                     |
| SMG\$_NOTPASTED  | 00128274 | SMG\$MSGDEF |                                                                         |
| SMG\$_NOTRMSOUT  | 00128051 | SMG\$MSGDEF |                                                                         |
| SMG\$_NOTSTRCAP  | 00128344 | SMG\$MSGDEF | SMG\$STRING_TABLES                                                      |
| SMG\$_NOT_A_TRM  | 00128039 | SMG\$MSGDEF |                                                                         |
| SMG\$_NO_ARGS    | 00128334 | SMG\$MSGDEF |                                                                         |
| SMG\$_NO_CHADIS  | 00128059 | SMG\$MSGDEF |                                                                         |
| SMG\$_NO_MORMSG  | 00128041 | SMG\$MSGDEF |                                                                         |
| SMG\$_PASALREXI  | 00128031 | SMG\$MSGDEF |                                                                         |
| SMG\$_PBDIN USE  | 0012827C | SMG\$MSGDEF |                                                                         |
| SMG\$_PREDEFREP  | 00128011 | SMG\$MSGDEF |                                                                         |
| SMG\$_PRISECMAP  | 00128061 | SMG\$MSGDEF |                                                                         |

Sym  
---  
LIB  
LIB  
SMG  
SMG  
SMG  
SYS  
SYS  
SYS  
SYS



| Symbol          | Value       | Defined By    | Referenced By ...                                                |
|-----------------|-------------|---------------|------------------------------------------------------------------|
| SMG\$_PROTOOLON | 0012826C    | SMG\$MSGDEF   |                                                                  |
| SMG\$_STRTERESC | 00129010    | SMG\$MSGDEF   |                                                                  |
| SMG\$_SYNERR    | 001282CC    | SMG\$MSGDEF   | SMG\$BOOLEAN_TABLES<br>SMG\$NUMERIC_TABLES<br>SMG\$STRING_TABLES |
| SMG\$_TABID_MIS | 001282A4    | SMG\$MSGDEF   |                                                                  |
| SMG\$_TOOMANDIS | 00128234    | SMG\$MSGDEF   |                                                                  |
| SMG\$_TOOMANPAS | 0012823C    | SMG\$MSGDEF   |                                                                  |
| SMG\$_TRMNOTANS | 0012836C    | SMG\$MSGDEF   |                                                                  |
| SMG\$_UNDTERNAM | 001282AC    | SMG\$MSGDEF   |                                                                  |
| SMG\$_UNDTERNOP | 0012830C    | SMG\$MSGDEF   |                                                                  |
| SMG\$_UNDTERNOS | 00128314    | SMG\$MSGDEF   |                                                                  |
| SMG\$_UNDTERTYP | 001282D4    | SMG\$MSGDEF   |                                                                  |
| SMG\$_UNRECSTA  | 00128324    | SMG\$MSGDEF   | SMG\$STATEMENT_TABLES                                            |
| SMG\$_WILUSERMS | 00128049    | SMG\$MSGDEF   |                                                                  |
| SMG\$_WRONUMARG | 00128244    | SMG\$MSGDEF   |                                                                  |
| STR\$COPY_DX    | 00004248-RX | LIBRTL        | SMG\$STATEMENT_TABLES                                            |
| STR\$UPCASE     | 0000424C-RX | LIBRTL        | SMG\$STATEMENT_TABLES                                            |
| SYSS\$CANEXH    | 7FFEE0C0    | SYSSP1_VECTOR | SMG\$BUILD_TERM_TABLE                                            |
| SYSS\$CLOSE     | 7FFEE1B8    | SYSSP1_VECTOR | SMG\$BUILD_TERM_TABLE                                            |
| SYSS\$CONNECT   | 7FFEE1C0    | SYSSP1_VECTOR | SMG\$BUILD_TERM_TABLE                                            |
| SYSS\$CREATE    | 7FFEE1C8    | SYSSP1_VECTOR | SMG\$BUILD_TERM_TABLE                                            |
| SYSS\$DCLEXH    | 7FFEDF00    | SYSSP1_VECTOR | SMG\$BUILD_TERM_TABLE                                            |
| SYSS\$GET       | 7FFEE180    | SYSSP1_VECTOR | SMG\$STATEMENT_TABLES                                            |
| SYSS\$IMGSTA    | 7FFEDF68    | SYSSP1_VECTOR |                                                                  |
| SYSS\$OPEN      | 7FFEE208    | SYSSP1_VECTOR | SMG\$BUILD_TERM_TABLE                                            |
| SYSS\$WRITE     | 7FFEE1B0    | SYSSP1_VECTOR | SMG\$BUILD_TERM_TABLE                                            |
| TERMS_DUMMY1    | 00000020    | TERMDEFS      |                                                                  |
| TERMS_DUMMY2    | 00000021    | TERMDEFS      |                                                                  |
| TERMS_DUMMY3    | 00000022    | TERMDEFS      |                                                                  |
| TERMS_DUMMY4    | 00000023    | TERMDEFS      |                                                                  |
| TERMS_DUMMY5    | 00000024    | TERMDEFS      |                                                                  |
| TERMS_DUMMY6    | 00000025    | TERMDEFS      |                                                                  |
| TERMS_DUMMY7    | 00000026    | TERMDEFS      |                                                                  |
| TERMS_DUMMY8    | 00000027    | TERMDEFS      |                                                                  |
| TERMS_EVEN      | 000012D8-R  | TERMDEFS      |                                                                  |
| TERMS_FT1       | 00000006    | TERMDEFS      |                                                                  |
| TERMS_FT2       | 00000007    | TERMDEFS      |                                                                  |
| TERMS_FT3       | 00000008    | TERMDEFS      |                                                                  |
| TERMS_FT4       | 00000009    | TERMDEFS      |                                                                  |
| TERMS_FT5       | 0000000A    | TERMDEFS      |                                                                  |
| TERMS_FT6       | 0000000B    | TERMDEFS      |                                                                  |
| TERMS_FT7       | 0000000C    | TERMDEFS      |                                                                  |
| TERMS_FT8       | 0000000D    | TERMDEFS      |                                                                  |
| TERMS_LA100     | 00000011    | TERMDEFS      |                                                                  |
| TERMS_LA12      | 00000012    | TERMDEFS      |                                                                  |
| TERMS_LA120     | 00000001    | TERMDEFS      |                                                                  |
| TERMS_LA24      | 00000013    | TERMDEFS      |                                                                  |
| TERMS_LA34      | 0000000F    | TERMDEFS      |                                                                  |
| TERMS_LA36      | 00000000    | TERMDEFS      |                                                                  |
| TERMS_LA38      | 00000010    | TERMDEFS      |                                                                  |
| TERMS_LQPO2     | 00000015    | TERMDEFS      |                                                                  |

Val  
---  
000  
000  
000  
001  
001  
7FF  
7FF  
7FF  
7FF



| Symbol             | Value      | Defined By | Referenced By ...     |
|--------------------|------------|------------|-----------------------|
| TERMS_NAME         | 00000C00-R | TERMDEFS   | SMG\$STATEMENT_TABLES |
| TERMS_NONE         | 000012E8-R | TERMDEFS   |                       |
| TERMS_NUM          | 00000028   | TERMDEFS   | SMG\$STATEMENT_TABLES |
| TERMS_ODD          | 000012E0-R | TERMDEFS   |                       |
| TERMS_PRO_SERIES   | 0000001F   | TERMDEFS   |                       |
| TERMS_REQBLK       | 00001288-R | TERMDEFS   |                       |
| TERMS_REQNUM       | 00000003   | TERMDEFS   |                       |
| TERMS_SPDBLK       | 00001294-R | TERMDEFS   |                       |
| TERMS_SPDNUM       | 00000011   | TERMDEFS   |                       |
| TERMS_TABLE        | 00000CA0-R | TERMDEFS   | SMG\$STATEMENT_TABLES |
| TERMS_TQ_BT5       | 00000014   | TERMDEFS   |                       |
| TERMS_TT2CLR_BIT   | 0000127C-R | TERMDEFS   |                       |
| TERMS_TT2CLR_KEY   | 00001270-R | TERMDEFS   |                       |
| TERMS_TT2CLR_NUM   | 00000003   | TERMDEFS   |                       |
| TERMS_TT2SET_BIT   | 00001210-R | TERMDEFS   |                       |
| TERMS_TT2SET_KEY   | 000011B0-R | TERMDEFS   |                       |
| TERMS_TT2SET_NUM   | 00000018   | TERMDEFS   |                       |
| TERMS_TTCLR_BIT    | 00001194-R | TERMDEFS   |                       |
| TERMS_TTCLR_KEY    | 00001178-R | TERMDEFS   |                       |
| TERMS_TTCLR_NUM    | 00000007   | TERMDEFS   |                       |
| TERMS_TTSET_BIT    | 0000113C-R | TERMDEFS   |                       |
| TERMS_TTSET_KEY    | 00001100-R | TERMDEFS   |                       |
| TERMS_TTSET_NUM    | 0000000F   | TERMDEFS   |                       |
| TERMS_UNKNOWN      | 0000000E   | TERMDEFS   |                       |
| TERMS_VK100        | 00000016   | TERMDEFS   |                       |
| TERMS_VT05         | 00000002   | TERMDEFS   |                       |
| TERMS_VT100        | 00000005   | TERMDEFS   |                       |
| TERMS_VT101        | 00000017   | TERMDEFS   |                       |
| TERMS_VT102        | 00000018   | TERMDEFS   |                       |
| TERMS_VT105        | 00000019   | TERMDEFS   |                       |
| TERMS_VT125        | 0000001A   | TERMDEFS   |                       |
| TERMS_VT131        | 0000001B   | TERMDEFS   |                       |
| TERMS_VT132        | 0000001C   | TERMDEFS   |                       |
| TERMS_VT173        | 0000001D   | TERMDEFS   |                       |
| TERMS_VT200_SERIES | 0000001E   | TERMDEFS   |                       |
| TERMS_VT52         | 00000003   | TERMDEFS   |                       |
| TERMS_VT55         | 00000004   | TERMDEFS   |                       |

-----  
! Symbols By Value !  
-----

| Value    | Symbols...         |
|----------|--------------------|
| -----    | -----              |
| 00000000 | TERMS_LA36         |
| 00000001 | TERMS_LA120        |
| 00000002 | TERMS_VT05         |
| 00000003 | TERMS_REQNUM       |
| 00000004 | TERMS_VT55         |
| 00000005 | TERMS_VT100        |
| 00000006 | TERMS_FT1          |
| 00000007 | TERMS_FT2          |
| 00000008 | TERMS_FT3          |
| 00000009 | TERMS_FT4          |
| 0000000A | TERMS_FT5          |
| 0000000B | TERMS_FT6          |
| 0000000C | TERMS_FT7          |
| 0000000D | TERMS_FT8          |
| 0000000E | TERMS_UNKNOWN      |
| 0000000F | TERMS_LA34         |
| 00000010 | TERMS_LA38         |
| 00000011 | TERMS_LA100        |
| 00000012 | SMG\$ FACILITY     |
| 00000013 | TERMS_LA24         |
| 00000014 | TERMS_TQ_BT5       |
| 00000015 | TERMS_LQP02        |
| 00000016 | TERMS_VK100        |
| 00000017 | TERMS_VT101        |
| 00000018 | TERMS_TT2SET_NUM   |
| 00000019 | TERMS_VT105        |
| 0000001A | TERMS_VT125        |
| 0000001B | TERMS_VT131        |
| 0000001C | TERMS_VT132        |
| 0000001D | TERMS_VT173        |
| 0000001E | TERMS_VT200 SERIES |
| 0000001F | TERMS_PRO SERIES   |
| 00000020 | TERMS_DUMMY1       |
| 00000021 | TERMS_DUMMY2       |
| 00000022 | TERMS_DUMMY3       |
| 00000023 | TERMS_DUMMY4       |
| 00000024 | TERMS_DUMMY5       |
| 00000025 | TERMS_DUMMY6       |
| 00000026 | TERMS_DUMMY7       |
| 00000027 | TERMS_DUMMY8       |
| 00000028 | TERMS_NUM          |
| 00000C00 | R-TERMS_NAME       |
| 00000CA0 | R-TERMS_TABLE      |
| 00001100 | R-TERMS_TTSET_KEY  |
| 0000113C | R-TERMS_TTSET_BIT  |
| 00001178 | R-TERMS_TTCLR_KEY  |
| 00001194 | R-TERMS_TTCLR_BIT  |
| 000011B0 | R-TERMS_TT2SET_KEY |
| 00001210 | R-TERMS_TT2SET_BIT |

TERMS\_TT2CLR\_NUM

TERMS\_VT52

TERMS\_TTCLR\_NUM

TERMS\_TTSET\_NUM

TERMS\_SPDNUM  
TERMS\_LA12

TERMS\_VT102



| Value    | Symbols...                  |
|----------|-----------------------------|
| -----    | -----                       |
| 00001270 | R-TERMS-TT2CLR_KEY          |
| 0000127C | R-TERMS-TT2CLR_BIT          |
| 00001288 | R-TERMS-REQBLK              |
| 00001294 | R-TERMS-SPDBLK              |
| 000012D8 | R-TERMS-EVEN                |
| 000012E0 | R-TERMS-ODD                 |
| 000012E8 | R-TERMS-NONE                |
| 000012F0 | R-PROTOCOLS-NONE            |
| 000012F8 | R-PROTOCOLS-DDCMP           |
| 000013AC | R-SMG\$MASK-ADR             |
| 000013B0 | R-SMG\$NEXT-NEGATIVE_NUMBER |
| 000013B4 | R-SMG\$CURRENT_LINE         |
| 000013B8 | R-SMG\$CURRENT_BLOCK        |
| 000013BC | R-SMG\$CURRENT_DEF_BLOCK    |
| 000013C0 | R-SMG\$DATA_OFFSET          |
| 00001400 | R-SMG\$A_BOOLEAN_KEYWDS     |
| 00001450 | R-SMG\$A_NUMERIC_KEYWDS     |
| 0000147E | R-SMG\$A_STRING_KEYWDS      |
| 000015D4 | R-SMG\$A_STMT_KEYWDS        |
| 000020DE | R-SMG\$A_BOOLEAN_STATES     |
| 0000233C | R-SMG\$A_NUMERIC_STATES     |
| 000024E0 | R-SMG\$A_STRING_STATES      |
| 00002EF0 | R-SMG\$A_STMT_STATES        |
| 00003020 | R-SMG\$BUILD_TERM_TABLE     |
| 00003B8A | R-SMG\$BLANKS_OFF           |
| 00003B94 | R-SMG\$BLANKS_ON            |
| 00003B9E | R-SMG\$COPY_CAP             |
| 00003BD3 | R-SMG\$FLUSH_ARITHMETIC     |
| 00003C1A | R-SMG\$FLUSH_NUMERIC        |
| 00003C6A | R-SMG\$FLUSH_SAVED_BUFFER   |
| 00003D60 | R-SMG\$MISSING_END          |
| 00003D81 | R-SMG\$NEXT_RECORD          |
| 00003E26 | R-SMG\$SAVE_TOKEN_STRING    |
| 00003E46 | R-SMG\$STORE_CAP_MASK       |
| 00003E59 | R-SMG\$SYNTAX_ERROR         |
| 00003E7B | R-SMG\$WRITE_DATA           |
| 00004248 | RX-STR\$COPY_DX             |
| 0000424C | RX-STR\$UPCASE              |
| 00004250 | RX-OT\$SCVT_TI_L            |
| 00004254 | RX-LIB\$STOP                |
| 00004258 | RX-LIB\$TPARSE              |
| 0000425C | RX-LIB\$FREE_VM             |
| 00004260 | RX-LIB\$GET_VM              |
| 00128001 | SMG\$-NORMAL                |
| 00128011 | SMG\$-PREDEFREP             |
| 00128019 | SMG\$-BATSTIPRO             |
| 00128021 | SMG\$-BATWASOFF             |
| 00128029 | SMG\$-BATWAS ON             |
| 00128031 | SMG\$-PASALREXI             |
| 00128039 | SMG\$-NOT A TRM             |
| 00128041 | SMG\$-NO NORMSG             |
| 00128049 | SMG\$-WICUSERMS             |



| Value    | Symbols...      |
|----------|-----------------|
| 00128051 | SMG\$_NOTRMSOUT |
| 00128059 | SMG\$_NO_CHADIS |
| 00128061 | SMG\$_PRISECMAP |
| 00128069 | SMG\$_GBLSECMAP |
| 00128204 | SMG\$_FATERRLIB |
| 0012820C | SMG\$_INVARG    |
| 00128214 | SMG\$_INVCOL    |
| 0012821C | SMG\$_INVDIS_ID |
| 00128224 | SMG\$_INVPAS_ID |
| 0012822C | SMG\$_INVROW    |
| 00128234 | SMG\$_TOOMANDIS |
| 0012823C | SMG\$_TOOMANPAS |
| 00128244 | SMG\$_WRONUMARG |
| 0012824C | SMG\$_INVKBD_ID |
| 00128254 | SMG\$_INVKTB_ID |
| 0012825C | SMG\$_INVMAXLEN |
| 00128264 | SMG\$_FILTOOLON |
| 0012826C | SMG\$_PROTOOLON |
| 00128274 | SMG\$_NOTPASTED |
| 0012827C | SMG\$_PBDIN_USE |
| 00128284 | SMG\$_INVWIDARG |
| 0012828C | SMG\$_INVPAGARG |
| 00128294 | SMG\$_INVCOLARG |
| 0012829C | SMG\$_DIALINNOT |
| 001282A4 | SMG\$_TABID_MIS |
| 001282AC | SMG\$_UNDTERNAM |
| 001282B4 | SMG\$_INVTERTAB |
| 001282BC | SMG\$_INVREQCOD |
| 001282C4 | SMG\$_NOTBOOCAP |
| 001282CC | SMG\$_SYNERR    |
| 001282D4 | SMG\$_UNDTERTYP |
| 001282DC | SMG\$_MISTERNAM |
| 001282E4 | SMG\$_INVCTRL   |
| 001282EC | SMG\$_ILLVAL    |
| 001282F4 | SMG\$_INVEXP    |
| 001282FC | SMG\$_ERRAT_LIN |
| 00128304 | SMG\$_ERRLIN    |
| 0012830C | SMG\$_UNDTERNOP |
| 00128314 | SMG\$_UNDTERNOS |
| 0012831C | SMG\$_MISFILSPE |
| 00128324 | SMG\$_UNRECSTA  |
| 0012832C | SMG\$_FAIOPEFIL |
| 00128334 | SMG\$_NO_ARGS   |
| 0012833C | SMG\$_NOTNUMCAP |
| 00128344 | SMG\$_NOTSTRCAP |
| 0012834C | SMG\$_MISENDSTA |
| 00128354 | SMG\$_MISNAMREQ |
| 0012835C | SMG\$_ILLBATFNC |
| 00128364 | SMG\$_INVDIR    |
| 0012836C | SMG\$_TRMNOTANS |
| 00128402 | SMG\$_EOF       |
| 0012840A | SMG\$_KEYDEFPRO |



| Value      | Symbols...      |
|------------|-----------------|
| -----      | -----           |
| 00128412   | SMGS_INVDEFATT  |
| 0012841A   | SMGS_INVKEYNAM  |
| 00128422   | SMGS_INVSTANAM  |
| 00129000   | SMGS_KEYNOTDEF  |
| 00129008   | SMGS_NOMOREKEYS |
| 00129010   | SMGS_STRTERESC  |
| 00129018   | SMGS_GBLNOTCRE  |
| 00129020   | SMGS_DELEXIGBL  |
| 7FFFEDEF0  | SYSSDCLEXH      |
| 7FFFEDEF68 | SYSSIMGSTA      |
| 7FFFEEOC0  | SYSSCANEXH      |
| 7FFFE180   | SYSSGET         |
| 7FFFE1B0   | SYSSWRITE       |
| 7FFFE1B8   | SYSSCLOSE       |
| 7FFFE1C0   | SYSSCONNECT     |
| 7FFFE1C8   | SYSSCREATE      |
| 7FFFE208   | SYSSOPEN        |

Key for special characters above:

|   |               |
|---|---------------|
| * | - Undefined   |
| U | - Universal   |
| R | - Relocatable |
| X | - External    |

CLU  
CLU  
DEF  
LIB



+-----+  
! Image Synopsis !  
+-----+

Virtual memory allocated: 00000200 000043FF 00004200 (16896. bytes, 33. pages)  
Stack size: 20. pages  
Image header virtual block limits: 1. 1. ( 1. block)  
Image binary virtual block limits: 2. 34. ( 33. blocks)  
Image name and identification: SMGBLDTRM 1-002  
Number of files: 6.  
Number of modules: 9.  
Number of program sections: 16.  
Number of global symbols: 415.  
Number of cross references: 277.  
Number of image sections: 8.  
User transfer address: 00003020  
Debugger transfer address: 7FFEDF68  
Number of code references to shareable images: 7.  
Image type: EXECUTABLE.  
Map format: FULL WITH CROSS REFERENCE in file \_\$255\$DUA28:[SMGRTL.LIS]SMGBLDTRM.MAP;1  
Estimated map length: 104. blocks

+-----+  
! Link Run Statistics !  
+-----+

| Performance Indicators                 | Page Faults | CPU Time    | Elapsed Time |
|----------------------------------------|-------------|-------------|--------------|
| Command processing:                    | 132         | 00:00:00.38 | 00:00:02.96  |
| Pass 1:                                | 183         | 00:00:01.00 | 00:00:17.18  |
| Allocation/Relocation:                 | 30          | 00:00:00.10 | 00:00:02.27  |
| Pass 2:                                | 63          | 00:00:01.12 | 00:00:12.60  |
| Map data after object module synopsis: | 17          | 00:00:00.90 | 00:00:01.94  |
| Symbol table output:                   | 1           | 00:00:00.02 | 00:00:00.49  |
| Total run values:                      | 426         | 00:00:03.52 | 00:00:37.44  |

Using a working set limited to 1350 pages and 93 pages of data storage (excluding image)

Total number object records read (both passes): 578  
of which 280 were in libraries and 5 were DEBUG data records containing 108 bytes  
94 bytes of DEBUG data were written, starting at VBN 35 with 1 blocks allocated

Number of modules extracted explicitly = 7  
with 1 extracted to resolve undefined symbols

16 library searches were for symbols not in the library searched

A total of 0 global symbol table records was written

LINK/USERLIB=PROC/EXE=EXES:SMGBLDTRM/MAP=MAPS:SMGBLDTRM/FULL/CROSS COMS:SMGBLDTRM/OPTIONS

! SMGBLDTRM.OPT - Linker options file for building SMGBLDTRM.EXE

! 1-001 - Original. LEB 7-Mar-1984  
! 1-002 - Add in reference to STARLET to get SMG\$MSGDEF. LEB 8-Mar-1984  
! 1-003 - Add in SMG\$BUILD\_TERM\_TABLE. LEB 9-Mar-1984  
! 1-004 - Get new messages from build not from old message in STARLET.



\_S255SDUA28:[SMGRTL.OBJ]SMGBLDTRM.EXE;1

E 13  
16-SEP-1984 04:45

VAX-11 Linker V04-00

Page 14

! STAN 21-Mar-1984.

LIB\$:SMGRTL/INCLUDE=(-  
SMG\$BUILD\_TERM\_TABLE,-  
SMG\$BOOLEAN\_TABLES,-  
SMG\$MSGDEF=-  
SMG\$NUMERIC\_TABLES,-  
SMG\$STRING\_TABLES,-  
SMG\$STATEMENT\_TABLES)

RESOBJ\$:CLIUTL/INCLUDE=(-  
TERMDEFS)

\_S2

Pse

---

\_SM

MSG

MSG

MSG

MSG



0354 AH-BT13A-SE  
VAX/VMS V4.0

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SYMBOLS  
LIS

SMGRTL

SMGBLDTM  
MAP

SDAMSG  
LIS

VAXINST  
LIS

SMGMAPTRM  
MAP

SMGKCB  
SDL

VALIDATE  
LIS

STACKS  
LIS

SMGDEF  
SDL

SMGKDE  
SDL

SMGSHR  
MAP